

IMPROVED DECODING USING REDUNDANT
PACKET SELECTION INFORMATION IN
WIRELESS COMMUNICATIONS SYSTEMS

ABSTRACT OF THE DISCLOSURE

A communications system includes a mobile unit that transmits coded content. The system also includes a number of base transceiver stations that receive the coded content from the mobile unit, decode the content, generate a packet including the decoded content, and communicate the packet. The system further includes a router that receives a number of redundant packets that were generated at different base transceiver stations and that selects one of the redundant packets using a packet selection technique. The router further communicates the selected packet to a destination and communicates selection information relating to the selected packet to the base transceiver stations. The base transceiver stations use the selection information to improve the decoding of subsequent coded content received from the mobile unit.